



3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Construction Group Int'l LLC
Mark Marcell
19407 144th Ave NE, Building D
Woodenville, WA 98072

RE: Rainier Commons
Lab ID: 1410344

November 03, 2014

Attention Mark Marcell:

Fremont Analytical, Inc. received 1 sample(s) on 10/31/2014 for the analyses presented in the following report.

Polychlorinated Biphenyls (PCB) by EPA 8082

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

A handwritten signature in black ink, appearing to read "Chelsea", written in a cursive style.

Chelsea Ward
Project Manager



Date: 11/03/2014

CLIENT: Construction Group Int'l LLC
Project: Rainier Commons
Lab Order: 1410344

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1410344-001	DOT Drums #2,#3,#4,#5,#6 Composite	10/31/2014 12:00 AM	10/31/2014 10:00 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Construction Group Int'l LLC**Project:** Rainier Commons

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.



Analytical Report

WO#: 1410344

Date Reported: 11/3/2014

Client: Construction Group Int'l LLC

Collection Date: 10/31/2014

Project: Rainier Commons

Lab ID: 1410344-001

Matrix: Water

Client Sample ID: DOT Drums #2,#3,#4,#5,#6 Composite

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

Polychlorinated Biphenyls (PCB) by EPA 8082

Batch ID: 9178

Analyst: NG

Aroclor 1016	ND	0.200		µg/L	1	11/3/2014 2:19:00 PM
Aroclor 1221	ND	0.200		µg/L	1	11/3/2014 2:19:00 PM
Aroclor 1232	ND	0.200		µg/L	1	11/3/2014 2:19:00 PM
Aroclor 1242	ND	0.200		µg/L	1	11/3/2014 2:19:00 PM
Aroclor 1248	ND	0.200		µg/L	1	11/3/2014 2:19:00 PM
Aroclor 1254	ND	0.200		µg/L	1	11/3/2014 2:19:00 PM
Aroclor 1260	ND	0.200		µg/L	1	11/3/2014 2:19:00 PM
Aroclor 1262	ND	0.200		µg/L	1	11/3/2014 2:19:00 PM
Aroclor 1268	ND	0.200		µg/L	1	11/3/2014 2:19:00 PM
Total PCBs	ND	0.200		µg/L	1	11/3/2014 2:19:00 PM
Surr: Decachlorobiphenyl	91.3	45.1-140		%REC	1	11/3/2014 2:19:00 PM
Surr: Tetrachloro-m-xylene	91.9	27.4-132		%REC	1	11/3/2014 2:19:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
RL Reporting Limit

D Dilution was required
H Holding times for preparation or analysis exceeded
ND Not detected at the Reporting Limit
S Spike recovery outside accepted recovery limits



Date: 11/3/2014

Work Order: 1410344
CLIENT: Construction Group Int'l LLC
Project: Rainier Commons

QC SUMMARY REPORT
Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: MB-9178	SampType: MBLK	Units: µg/L			Prep Date: 10/31/2014			RunNo: 17794			
Client ID: MBLKW	Batch ID: 9178	Analysis Date: 11/3/2014						SeqNo: 355357			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.200									
Aroclor 1221	ND	0.200									
Aroclor 1232	ND	0.200									
Aroclor 1242	ND	0.200									
Aroclor 1248	ND	0.200									
Aroclor 1254	ND	0.200									
Aroclor 1260	ND	0.200									
Aroclor 1262	ND	0.200									
Aroclor 1268	ND	0.200									
Total PCBs	ND	0.200									
Surr: Decachlorobiphenyl	339		400.0		84.8	45.1	140				
Surr: Tetrachloro-m-xylene	255		400.0		63.7	30.1	116				

Sample ID: LCS-9178	SampType: LCS	Units: µg/L				Prep Date: 10/31/2014			RunNo: 17794		
Client ID: LCSW	Batch ID: 9178	Analysis Date: 11/3/2014						SeqNo: 355358			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.44	0.200	2.000	0	72.2	38.2	129				
Aroclor 1260	1.96	0.200	2.000	0	97.8	43.3	126				
Surr: Decachlorobiphenyl	340		400.0		85.1	45.1	140				
Surr: Tetrachloro-m-xylene	251		400.0		62.8	30.1	116				

Sample ID: LCSD-9178	SampType: LCSD	Units: µg/L				Prep Date: 10/31/2014				RunNo: 17794	
Client ID: LCSW02	Batch ID: 9178					Analysis Date: 11/3/2014				SeqNo: 355359	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.21	0.200	2.000	0	60.6	38.2	129	1.443	17.4	30	
Aroclor 1260	1.69	0.200	2.000	0	84.7	43.3	126	1.957	14.4	30	

Qualifiers:	B Analyte detected in the associated Method Blank	D Dilution was required	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	ND Not detected at the Reporting Limit
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits

Work Order: 1410344
CLIENT: Construction Group Int'l LLC
Project: Rainier Commons

QC SUMMARY REPORT
Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: LCSD-9178	SampType: LCSD	Units: µg/L			Prep Date: 10/31/2014				RunNo: 17794		
Client ID: LCSW02	Batch ID: 9178	Analysis Date: 11/3/2014							SeqNo: 355359		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Decachlorobiphenyl	321		400.0		80.3	45.1	140		0		
Surr: Tetrachloro-m-xylene	199		400.0		49.7	30.1	116		0		

Sample ID: 1410344-001AMS	SampType: MS	Units: µg/L				Prep Date: 10/31/2014			RunNo: 17794		
Client ID: DOT Drums #2,#3,#4,#5	Batch ID: 9178					Analysis Date: 11/3/2014			SeqNo: 355361		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.44	0.200	2.000	0	71.8	45.5	118				
Aroclor 1260	1.75	0.200	2.000	0	87.6	50.8	129				
Surr: Decachlorobiphenyl	325		400.0		81.3	45.1	140				
Surr: Tetrachloro-m-xylene	355		400.0		88.8	30.1	116				

Qualifiers:	B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



Sample Log-In Check List

Client Name: **CGI**

Work Order Number: **1410344**

Logged by: **Clare Griggs**

Date Received: **10/31/2014 10:00:00 AM**

Chain of Custody

1. Is Chain of Custody complete? Yes ☐ No ☒ Not Present ☐
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes ☐ No ☒ NA ☐
No cooler present.
4. Shipping container/cooler in good condition? Yes ☒ No ☐
5. Custody seals intact on shipping container/cooler? Yes ☐ No ☐ Not Required ☒
6. Was an attempt made to cool the samples? Yes ☐ No ☒ NA ☐
Unknown prior to receipt.
7. Were all coolers received at a temperature of >0°C to 10.0°C? Yes ☐ No ☒ NA ☐
Please refer to item information.
8. Sample(s) in proper container(s)? Yes ☒ No ☐
9. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
10. Are samples properly preserved? Yes ☒ No ☐
11. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
12. Is the headspace in the VOA vials? Yes ☐ No ☐ NA ☒
13. Did all samples containers arrive in good condition(unbroken)? Yes ☒ No ☐
14. Does paperwork match bottle labels? Yes ☒ No ☐
15. Are matrices correctly identified on Chain of Custody? Yes ☐ No ☒
16. Is it clear what analyses were requested? Yes ☒ No ☐
17. Were all holding times able to be met? Yes ☒ No ☐

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:

Date:

By Whom:

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

19. Additional remarks:

No sampling date or time indicated on COC.

Item Information

Item #	Temp °C	Condition
Sample	20.0	



Fremont

Analytical

3600 Fremont Ave N.
Seattle, WA 98103

Tel: 206-352-3790
Fax: 206-352-7178

call Larry McDaniel
425-205-5789

Chain of Custody Record

Laboratory Project No (Internal): **1A10344**

Date: **10-31-14**

Page: **1** of: **1**

Client:

Address:

City, State, Zip

Reports To (PM):

CGT
1945
Woodinville
Mark Maxwell

Project Name:

Location:

Collected by:

Email:

Rainier Commons
3100 Airport Way
Larry McDaniel

Project No:

A14067

*Matrix Codes: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, WW = Waste Water

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOC (EPA 8160)	OX/BTEX	BTEX	Gasoline Range Organics (GRO)	Hydrocarbon Identification (HCID)	Desulfurization Organics (DO)	SEM VOC (EPA 8270)	PAH (EPA 8270 - 500)	PCBs (EPA 8062)	Metals** (8030 / 200.8)	Total (T) / Dissolved (D)	Anions (IC1)**	EDB (8011)	Comments/Depth	
DOT drums #2, #3, #4, #5, #6																		
composites																		

**Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Sample Disposal: ☐ Return to Client ☒ Disposal by Lab (A fee may be assessed if samples are retained after 30 days.)

Relinquished **Larry McDaniel** Date/Time **10-31-14 10:00**

Received **Steve Killion** Date/Time **10-31-14 10:00**

Relinquished Date/Time

Received Date/Time

TAT -> SameDay * NextDay * 2 Day 3 Day STD

*Please coordinate with the lab in advance